

ABSTRACT OF THE DISCLOSURE

An apparatus levitates and transports an object. The apparatus levitates the object above the surfaces of a plurality of vibrators by air pressure of sound waves that are generated by the vibrators. The apparatus has a plurality of vibration devices, each of which corresponds to one of the vibrators. Each vibration device includes a first transducer for vibrating the corresponding vibrator. Each transducer includes a super-magnetostrictive material. A common power source is connected to at least two of the first transducers for actuating the first transducers.

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